

QY 361 EKLDERLAKGAVAVIKVAPETALKEMLKRIEDALNATRAAEGIVAGGTAITV 420
DB 362 EKITESLGLPCGVAVVQVWGSGSETELKERLIEDALNSTRAAEGIVAGGTAITV 421
QY 421 IEKVALEEGDPTAGTGNIVLRLAEPYRQIALMAGYEGSVYIDKLNKSPAGTGNATG 460
DB 422 YOKSEIKMEGDEGTGVNIVLAKLQAPVROJAENALBESIIVERLKNAGVGNATN 461
QY 461 EMDMKTGIIIDPVVTRSAIONAASVSLITTEAVANKPEPATAPAMAGMDPGM 540
DB 462 EMDMKTGIIIDPVVTRSAIONAASVSLITTEAVANKPEPATAPAMAGMDPGM 540

RESULT 2
US-08-997-080-160
Sequence 160, Application US/08997080
Patent No. 5968524
GENERAL INFORMATION:
APPLICANT: WATSON, JAMES D.
TITLE OF INVENTION: METHODS AND COMPOUNDS FOR THE TREATMENT OF IMMUNOLOGICALLY-
NUMBER OF SEQUENCES: 194
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,080
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000,1007
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 160:
SEQUENCE CHARACTERISTICS:
LENGTH: 541 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-997-080-160

Query Match 62.7%; Score 1671; DB 2; Length 541;
Best Local Similarity 62.1%; Pred. No. 9,6e-130;
Matches 337; Conservative 84; Mismatches 118; Indels 4; Gaps 1;

QY 1 MAKEIKFSADAAAVGVMDLADTVKVTGLPGKRVNVLKFAFGSLTINDCVTAKIE 60
DB 1 MAKTIVYDEARGLERGLALADAVKVTGLPGKRVNVLKFAFGSLTINDCVTAKIE 60
QY 61 LEHFNMGAKLVSEVASKTINDIAGDGTATVLTQAIYHGLKNTYAGANFIRGIE 120
DB 61 LEHFNMGAKLVSEVASKTINDIAGDGTATVLTQAIYHGLKNTYAGANFIRGIE 120
QY 121 TATATVVELKAIQPVSGREAIQAVAAVSRSKXGVEYISEAMERVGNDGYTIESRG 180
DB 121 KAVEAVTOSLSAKAKEYETREKDISATMAISGDTQJGELINAMDKNGEGYITVESNT 180

QY 181 METELEVEGMDPDRGVLISOYMTDNEKNVADLENPFILITDKKVSNIODITPLEEVLK 240
DB 181 FGLQELTEGMRDNGYISGFYTDAREANLEDPYILLVSSKVSXTKDLPLEEVKIO 240
QY 241 TMRPLIITADVNGCALPTVANKTGTENYAVAKARCEGDRKMLIEDIILTGCVTT 300
DB 241 AKRPLIITADVNGCALPTVANKTGTENYAVAKARCEGDRKMLIEDIILTGCVTT 300
QY 301 EOLGLEKDKMTALGOAKITVDKSTIYVEGSGSSEAIANRILKSQLETTSDPR 360
DB 301 EVGSLSTEDVSLGQARKVYTKDETTIVEGSDSDAIGRVAQIAELIENSDDYGR 360
QY 361 EKLDERLAKGAVAVIKVAPETALKEMLKRIEDALNATRAAEGIVAGGTAITV 420
DB 361 EKLDERLAKGAVAVIKVAPETALKEMLKRIEDALNATRAAEGIVAGGTAITV 420
QY 421 IEKVALEEGDPTAGTGNIVLRLAEPYRQIALMAGYEGSVYIDKLNKSPAGTGNATG 460
DB 421 AVALDDGLTGDATGANIVVLSAPLKOIFNGLPEGVAVEKVSMLPAGIGLNAATG 480
QY 481 EMDMKTGIIIDPVVTRSAIONAASVSLITTEAVANKPEPATAPAMAGMDPGM 540
DB 481 EMDMKTGIIIDPVVTRSAIONAASVSLITTEAVANKPEPATAPAMAGMDPGM 540
QY 541 GCM 543
DB 541 GCM 539

RESULT 3
US-08-997-362-160
Sequence 160, Application US/08997362
Patent No. 5985287
GENERAL INFORMATION:
APPLICANT: Tan, Paul
APPLICANT: Hayama, Jun
APPLICANT: Visser, Elizabeth
APPLICANT: Skinner, Margot
APPLICANT: Scott, Linda
APPLICANT: Prestidge, Ross
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR
NUMBER OF SEQUENCES: 194
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,362
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/873,970
FILING DATE: June 12, 1997
APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/705,347
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000,1002c2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 160:

- Wed Apr 16 08:08:21 2003

us-09-001-737-8.rai

Page 3

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 541 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
US-08-997-362-160

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Query Match
Best 1000)

62.78; Score 1671; DB 2; Length 541;

best local similarity 02.16; Pred. NO. 9.0E-130;
Matches 337; Conservative 84; Mismatches 118;

16

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OY      1 MAKIRKSDAAAAMVAVGVMJLADVKKTLGPGGRNVVLEKAFSPILINDGVITAKEIE 60
OY      1      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY      1 MAKTIAVDEEABRGLEGLNALADAVKVTJGPGGRNVVLEKKMGAPLINDGVISIAKEIE 60
OY      61 LEDHEFMWGAKKVSVFVSKFNINDAGDGGTTATATVJLQAVYHSGKLNTPAAGNIDIRGIE 120
OY      1      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY      61 LEDPYKIEGELVEKRVAKKTDVDAGDGGTTATATVJLQALVYRGLRNMAAGANLDRKRGIE 120
OY      121 TATATVAKLAIKAPVSGKEALAQVAAVSSREKGYEISEAMPEVGDVGTIIEPSG 180
OY      121 KAVAVTQSLKSAKEVEYETEDISATMAISGDTQGLIEAMDKVAGSVITIEVSNT 180
OY      181 METELEVWCGNPFGRGLTGYWNTONEKMADEENFLLITDKKVSINDILLPLEEVYK 240
OY      181 FGDLQELTEBMMFNGRISTGFITAEKOEYLEDYPLLVSFVSVADLPLEEVYK 240
OY      241 TNRPLLIIADVDGBALPVLVYKIRGTENVVAKAPGFGDRRAMLEDIALTGGTVIT 300
OY      241 AGKPLLIADVEGSAISTLVYVKNIRGTFSVAVKAPGFGDRRAMLOMALLTGGVVS 300
OY      301 EDGLGLEIKDATVTAALGQAAKITVDKSTVIVEGSGSSPAIMRIALIKSOLTETTSDFOR 360
OY      301 ERVGLSLETFADVSLGQARVYVVTDEFTTIVEGSGSDAINGRYAOIRAEIENDSDSYDR 360
OY      361 EKLOERIATLAGVAVVAKGAFETETALKREKKLIEIDALNATRAAVEGIVAGGTAITIV 420
OY      361 EKLOERIATLAGVAVVAKGAAETEVELKERKRIEDAVRANKAAVEEGIVAGGVALLOS 420
OY      421 IEKVAALTEGDDATGGRNIVLALALEEPVRIALNAGYEGSVIDKLNKSPGTGFENAAFG 480
OY      421 APALDQLGTGCEATGANGIYVRLASPLKQIAPNGLEPGVVAEKSNTLPAGHGLNAATG 480
OY      481 EYVDMKTKTIIIDPKYKVSALONAAVSALITTEVYANKPEPATPAPAMPDGMG 540
OY      481 EYEDLLKAGVADPVKVTYRSALONAAVSIALFLUTEVYVADKPEKA----SAPADDPDGM 540
OY      541 GGM 543
OY      537 GGM 539

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1 COMPUTER: IBM Compatible
2 OPERATING SYSTEM: DOS
3 SOFTWARE: FASTEST for Windows Version 2.0
4 CURRENT APPLICATION DATA:
5 APPLICATION NUMBER: US/09/095,855
6 FILING DATE:
7 CLASSIFICATION:
8 PRIOR APPLICATION DATA:
9 APPLICATION NUMBER: 08/705,347
10 FILING DATE: 29-AUG-1996
11 APPLICATION NUMBER: 08/873,970
12 FILING DATE: 12-JUN-1997
13 APPLICATION NUMBER: 08/597,362
14 FILING DATE: 23-DEC-1997
15 ATTORNEY/AGENT INFORMATION:
16 NAME: Steach, Janet
17 REGISTRATION NUMBER: 37,007
18 REFERENCE/DOCKET NUMBER: 11000.1002c3
19 TELECOMMUNICATION INFORMATION:
20 TELEPHONE: 206-269-0565
21 TELEFAX: 206-269-0563
22
23 TELEX:
24 INFORMATION FOR SEQ ID NO: 160:
25 SEQUENCE CHARACTERISTICS:
26 LENGTH: 541 amino acids
27 TYPE: amino acid
28 STRANDEDNESS: single
29 TOPOLOGY: linear
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31 US-09-095-855-160
32
33 Query Match 62.7% Score 1671: DB 4: Length 541:
34 Best Local Similarity 62.1% Pred. No. 9,66-110;
35 Matches 337; Conservative 84; Mismatches 118; Indels 4; Gaps
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37
38 QY 1 MAKEIFSAADRAAMRGVDMADLVKYVTLGPKGRNVVLEKAFGSPITINDGVTIKETE 60
39 DB 1 MATATVDEEARRKRLERGLNLDADKAVYVLPKGRNVVLEKRWGAPITINDGVSIKETE 60
40 QY 61 LEDHFEENGAIVSEVASTKNDIADGGTTATVLTQAIYHGLKNYTAGANPIGRGIE 120
41 DB 61 LEOPYEKAGALVKEVAKKTDDVAAGDGTATVYLAQALVREGLRNVAAGANPLDLRGIE 120
42 QY 121 TATATVALEKAIQAQVSGKATAQAQVAAVSSRESEKYEYISEAMERVNGDGVITIEESHG 180
43 DB 121 KAVEANTOSLILKSAKEVEFEKOISATPAISAGDOIGELIEMAMDVKGEGVITVEESHT 180
44 QY 181 MEVELEVEGSGDRCGYLSQYWTNDNEKKVADLENFILLIDKKVSNIDILPLLEEVK 240
45 DB 181 FGLQLELNEGMRDQYISGYFVTADEBQEAIVLEDPYILLVSSVSTVDLPLEKVIQ 240
46 QY 241 TNSPLITITADVNGEALPTVLKTRGFNVVAVKARPGDGRKMLADIAIILGGTYT 300
47 DB 241 AGRPLIIIAEDVEGELSTLVKIKTGFFSKVAKARPGDGRKMLADIAIILGGTYIS 300
48 QY 301 EDLGELEKATPAALQAQATYDQDSIYIYEGSSSEALINRALLISQLETTSDPR 360
49 DB 301 ERVGLSELEADVSLDQAQKVVYTKDETTIVEGSGDIAIGRAQDIRAETENSDSDYR 360
50 QY 361 EKLOERLAKLGAIVAVIKGAPETALKEMLKIRIDALNATRAVEEGIVAGGSTALLTV 420
51 DB 361 EKLOERLAKLGAIVAVIYAGAAATEVLEKRIHRIEDAVRNKKAIVEGIVAGGVALLQS 420
52 QY 421 IEKVALELEBGDANGRTNRYRLALEPVRQIALNAGYEGSVYIDKLKSPAGTGFAANTG 480
53 DB 421 AAPALDOLDIGDEATGANIYAVLASPKAQIANGSLPEGVVAEKSNIPLPAGSLMAATG 480
54 QY 481 EWMDIKIKGIIDYKVTSAIQAAASVSLITLTFEVAANKPAPAPAPAGNDPGMM 540
55 DB 481 EYEDILKRGVADVKTYSALQPAASIALFLTFTEVAADPEKA---SAPAGDPTGM 536
56 QY 541 GGM 543
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RESULT 5
 US-09-324-542-160
 ; Sequence 160, Application US/09324542
 ; Patent No. 6328578
 ; GENERAL INFORMATION:
 ; APPLICANT: Watson, James D.
 ; APPLICANT: Tan, Paul L. J.
 ; TITLE OF INVENTION: Methods and Compounds for the Treatment
 ; FILE OF INVENTION: of Immunologically-Mediated Skin Disorders
 ; FILE REFERENCE: 11000.1007c1
 ; CURRENT APPLICATION NUMBER: US/09/324,542
 ; EARLIER FILING DATE: 1999-06-02
 ; EARLIER APPLICATION NUMBER: US 08/997,080
 ; EARLIER FILING DATE: 1997-12-23
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 160
 ; LENGTH: 541
 ; TYPE: PRN
 ; ORGANISM: Mycobacterium vaccae
 US-09-324-542-160

Query Match 62.7% Score 1671; DB 4; Length 541;
 Best Local Similarity 62.1% Pred. No. 9,6e-130;
 Matches 337; Conservative 84; Mismatches 118; Indels 4; Gaps 1;

QY 1 MAKEIFSDARAAVGVMDLADTVKTLGPKGRNVYLEKAFSPITINDGVTIANEIE 60
 DB 1 MAKTIIVDEARGLERGLNALADAVKVTLSGPKRNVYLEKAFSPITINDGVTIANEIE 60
 QY 61 LEDHEFMGAKLYSEVASKTNDIAGDGTATVLTQAIYHEGLNVYAGANPFGIRGIE 120
 DB 61 LEDPYKICAEVYKAKTIDVAGDGTATVLTQAIYHEGLNVYAGANPFGIRGIE 120
 QY 121 TATATVAELKAIAPVSGKEAIAQVAAYSSREKVEYISEAMERVNDGVITIEESRG 180
 DB 121 KAVEATVOSLSKAEVETKEQISATPAISAGDTQIGELIAEMDVGNEGVITIEESNT 180
 QY 181 METELEVEGMOFDRGYSQVWNTDNEMKVADELNPFLITDKKVSNIODILPLEEVLK 240
 DB 181 FGLQLELTGMRFPDGYISGFVTDAREQAEVLEDPYILVSSKVSVDLPLEEVYQ 240
 QY 241 TNRPLLIADVDGEALPTLVNKRIGTFNVAVKAPGDRRKAMLEDAITLTGVTYT 300
 DB 241 AGRPLLIADVEGEALSTLVNKRIGTFKSAVAKAPGDRRKAMLEDAITLTGVTYT 300
 QY 301 EDLGLKDATMTALGOAKITVDKSTVIEGSSSEAIANRIALIKSOLETTTSDFDR 360
 DB 301 ERVGLSLEFADVSILGQARKVYVTKDETIVIEGSSSDAIAGRAQIRAEIENSDDYDR 360
 QY 361 EKLQERLAKLAGVAVIKVAPTEFALKEKMLRIEDALNATRAVEEGIVAGGVALTIV 420
 DB 361 EKLQERLAKLAGVAVIKVAPTEFALKEKMLRIEDALNATRAVEEGIVAGGVALLOS 420
 QY 421 IEKVALELEGDDATGRNIVLALBEPVROIALNAGYEGSVYIDKLKNSPAGTGFNATG 480
 DB 421 APALDDGLTGDEATGANIVRALAPLKOIAFNGLEPGVAAEKVSNLPGHNLNATG 480
 QY 481 EWDMIKTGIIDPVKTVTSALONAAVASLITTEAVVANKPEPATPAPAPAGMDPDM 540
 DB 481 EYEDLLKAGVADPVKTVTSALONAAVASLITTEAVVANKPEKA-----SAPADPTGGM 536
 QY 541 GGM 543
 DB 537 GGM 539

RESULT 6
 US-09-205-426-160
 ; Sequence 160, Application US/09205426

; Patent No. 6406704
 ; GENERAL INFORMATION:
 ; APPLICANT: Watson, James D.
 ; APPLICANT: Tan, Paul L. J.
 ; TITLE OF INVENTION: Compounds and Methods for Treatment and
 ; FILE OF INVENTION: Diagnosis of Mycobacterial Infections
 ; FILE REFERENCE: 11000.1002c4
 ; CURRENT APPLICATION NUMBER: US/09/205,426
 ; EARLIER FILING DATE: 1998-12-04
 ; EARLIER APPLICATION NUMBER: 09/095,855
 ; EARLIER FILING DATE: 1998-06-11
 ; EARLIER APPLICATION NUMBER: 08/997,362
 ; EARLIER FILING DATE: 1997-12-23
 ; EARLIER APPLICATION NUMBER: 08/873,970
 ; EARLIER FILING DATE: 1997-06-12
 ; EARLIER APPLICATION NUMBER: 08/705,347
 ; EARLIER FILING DATE: 1996-08-29
 ; NUMBER OF SEQ ID NOS: 208
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 160
 ; LENGTH: 541
 ; TYPE: PRN
 ; ORGANISM: Mycobacterium vaccae
 US-09-205-426-160

Query Match 62.7% Score 1671; DB 4; Length 541;
 Best Local Similarity 62.1% Pred. No. 9,6e-130;
 Matches 337; Conservative 84; Mismatches 118; Indels 4; Gaps 1;

QY 1 MAKEIFSDARAAVGVMDLADTVKTLGPKGRNVYLEKAFSPITINDGVTIANEIE 60
 DB 1 MAKTIIVDEARGLERGLNALADAVKVTLSGPKRNVYLEKAFSPITINDGVTIANEIE 60
 QY 61 LEDHEFMGAKLYSEVASKTNDIAGDGTATVLTQAIYHEGLNVYAGANPFGIRGIE 120
 DB 61 LEDPYKICAEVYKAKTIDVAGDGTATVLTQAIYHEGLNVYAGANPFGIRGIE 120
 QY 121 TATATVAELKAIAPVSGKEAIAQVAAYSSREKVEYISEAMERVNDGVITIEESRG 180
 DB 121 KAVEATVOSLSKAEVETKEQISATPAISAGDTQIGELIAEMDVGNEGVITIEESNT 180
 QY 181 METELEVEGMOFDRGYSQVWNTDNEMKVADELNPFLITDKKVSNIODILPLEEVLK 240
 DB 181 FGLQLELTGMRFPDGYISGFVTDAREQAEVLEDPYILVSSKVSVDLPLEEVYQ 240
 QY 241 TNRPLLIADVDGEALPTLVNKRIGTFNVAVKAPGDRRKAMLEDAITLTGVTYT 300
 DB 241 AGRPLLIADVEGEALSTLVNKRIGTFKSAVAKAPGDRRKAMLEDAITLTGVTYT 300
 QY 301 EDLGLKDATMTALGOAKITVDKSTVIEGSSSEAIANRIALIKSOLETTTSDFDR 360
 DB 301 ERVGLSLEFADVSILGQARKVYVTKDETIVIEGSSSDAIAGRAQIRAEIENSDDYDR 360
 QY 361 EKLQERLAKLAGVAVIKVAPTEFALKEKMLRIEDALNATRAVEEGIVAGGVALTIV 420
 DB 361 EKLQERLAKLAGVAVIKVAPTEFALKEKMLRIEDALNATRAVEEGIVAGGVALLOS 420
 QY 421 IEKVALELEGDDATGRNIVLALBEPVROIALNAGYEGSVYIDKLKNSPAGTGFNATG 480
 DB 421 APALDDGLTGDEATGANIVRALAPLKOIAFNGLEPGVAAEKVSNLPGHNLNATG 480
 QY 481 EWDMIKTGIIDPVKTVTSALONAAVASLITTEAVVANKPEPATPAPAPAGMDPDM 540
 DB 481 EYEDLLKAGVADPVKTVTSALONAAVASLITTEAVVANKPEKA-----SAPADPTGGM 536
 QY 541 GGM 543
 DB 537 GGM 539

RESULT 7
 US-08-997-080-114
 ; Sequence 114, Application US/08997080

Patent No. 5968524
GENERAL INFORMATION:
APPLICANT: WATSON, JAMES D.
APPLICANT: TAN, PAUL L-J
TITLE OF INVENTION: METHODS AND COMPOUNDS FOR THE TREATMENT OF IMMUNOLOGICALLY-
NUMBER OF SEQUENCES: 194
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,080
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000,1007
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 114:
SEQUENCE CHARACTERISTICS:
LENGTH: 523 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-997-080-114

Query Match 61.7%; Score 1643; DB 2; Length 523;
Best Local Similarity 62.7%; Pred. No. 1,9e-127;
Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

QY 1 MAKEIFSDARAAMVGVDMADTVKVTGLPGKRNVLKFAFGSPPLTINDGVTAKEIE 60
DB 1 MANTIAVDEARGLERGLNADAVKVTGLPGKRNVLKFAFGSPPLTINDGVTAKEIE 60
QY 61 LEDHEFNKAKLVSEVASKTNDIAGDGTATVLTQAVIHEGLKNVYAGANPIGIRGIE 120
DB 61 LEDPEKIGAEIVKAKKTDVADGDTATVLTQAVIHEGLKNVYAGANPIGIRGIE 120
QY 121 TATATAVEALKAIAQPVSGKEAIAQVAASRSEKGEYISEAMERYGNDVITTESSRG 180
DB 121 KAVEAVTQSLKSAKEVETKEISATAISAGDTQGLIELAENDKYGEGVITTESSRN 180
QY 181 METELEVEGKOPRGVLSQVAVTNDNEKVADELNPFLITDKVNSIDITPLILEVYLK 240
DB 181 FGLQLELTERGMRDKGITISGYITVDARQAVLEDPTILLVSSKSVSTAKOLPLLEKVIQ 240
QY 241 TNRPLITADVOGEALPTLVANKIRGTENVAVKAPFGDRKKAMLEDIATLGSGTVIT 300
DB 241 AKGFLITIAEDVBEALSTLVNKRIRGTENVAVKAPFGDRKKAMLEDIATLGSGTVIT 300
QY 301 EDLGLKDATMTALGQAAKITVPKDSFVIVEGSSSSAIAIRIALIKSQLETTTSDFDR 360
DB 301 ERVGLSTETADVSLGQARKVYVTKDETTIVEGSDSDAIGRAQIRAEIENSDDYDR 360
QY 361 EKLOERLAKLAGVAIVKGAFTETALKEKRLIEDALNATRAAVEGIVAGGCTALITV 420
DB 361 EKLOERLAKLAGVAIVKGAFTETALKEKRLIEDAVRNKAAVEGIVAGGCTALITV 420

QY 421 IEKVAALEEGDQATGRNITVLALEEPVROIALNMGEGSVYIDIKLNSPAGTGFNAATG 480
DB 421 APALDGLTGTDEBTGANIVRAVLSAPLKOIAFNGCLPVGVAEKVSNLPAGHGLNAATG 480
QY 481 EWMVDIKTGIIDPKVYTRSAIONAASVASLITTEAVYANKPE 523
DB 481 EYEDLLKAGVADPKVYTRSAIONAASIAALFLITEAVYANKPE 523

RESULT 8
US-08-997-362-114
Sequence 114 Application US/08997362
Patent No. 5985287
GENERAL INFORMATION:
APPLICANT: Tan, Paul
APPLICANT: Miyama, Jun
APPLICANT: Visser, Elizabeth
APPLICANT: Skinner, Margot
APPLICANT: Scott, Linda
APPLICANT: Preslidge, Ross
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR
NUMBER OF SEQUENCES: 194
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,362
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/873,970
FILING DATE: June 12, 1997
APPLICATION NUMBER: U.S. Patent Application No. 5985287 08/705,347
FILING DATE: August 29, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000,1002c2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 114:
SEQUENCE CHARACTERISTICS:
LENGTH: 523 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-997-362-114

Query Match 61.7%; Score 1643; DB 2; Length 523;
Best Local Similarity 62.7%; Pred. No. 1,9e-127;
Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

QY 1 MAKEIFSDARAAMVGVDMADTVKVTGLPGKRNVLKFAFGSPPLTINDGVTAKEIE 60
DB 1 MANTIAVDEARGLERGLNADAVKVTGLPGKRNVLKFAFGSPPLTINDGVTAKEIE 60
QY 61 LEDHEFNKAKLVSEVASKTNDIAGDGTATVLTQAVIHEGLKNVYAGANPIGIRGIE 120
DB 61 LEDPEKIGAEIVKAKKTDVADGDTATVLTQAVIHEGLKNVYAGANPIGIRGIE 120

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OY 121 TATATVETAKAIAPYSGKEALAOVAASRSSEVGEYISEAMERVNDGVITIEESRG 180
DB 121 KAVEAVTQSLKSAKEVERKEQISATAIASAGDTQIGELIAEMDKVNEGIVIEESWT 180
OY 181 METELEVEGNOFDRGYLSQVWYTDNENKAVADLENPFLITTDKVSNIQDILPLEEVLK 240
DB 181 FGLQLELVEGRDVKYISGFVTDAROEAVLEDPYILLVSSKSVTKDILPLEEVIO 240
OY 241 TNRPLLIADVDGEALPTLVNKRIGTFENVVAAPGCGRRKALDELIALTGTVIT 300
DB 241 AGPLLIITAEVDEGALSTLVNKRIGTFENVVAAPGCGRRKALDELIALTGTVIT 300
OY 301 EDGELDQATMTALGOAKKITVDKSTVIEGSSSEPAIANIALISOLETTSDPDR 360
DB 301 ERVGSLETDADVSLGOAKKVVYKDDTTIVGSSSDPAIAGVIAQIRAEIENSDDYDR 360
OY 361 EKLOERLAKLAGVAIVKGAAPTETALKEKLRIDALNMTAAVEGIVAGGATLTV 420
DB 361 EKLOERLAKLAGVAIVKGAAPTETALKEKLRIDALNMTAAVEGIVAGGATLTV 420
OY 421 IEKVAALEEGDQATRNIVRLALEEPVQIALNNGEGSVIDKLKNSPACTGFNAATG 480
DB 421 APALDDGLTGDATGANIVVALSAPLQIAFNGLGEPGVAEKNLPAHGHLNATG 480
OY 481 EYDMKITGIDPVKVTSAALQNAASVASLITTEAVVANKPE 523
DB 481 EYEDLLKAGVADPVKVTSAALQNAASIASLITTEAVVANKPE 523

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RESULT 9
US-09-095-855-114
: Sequence 114, Application US/09095855
: Patent No. 6160093
: GENERAL INFORMATION:
: APPLICANT: Tan, Paul
: APPLICANT: Visser, Elizabeth
: APPLICANT: Skinner, Margot
: APPLICANT: Prestidge, Ross
: TITLE OF INVENTION: Compounds and Methods for
: NUMBER OF SEQUENCES: 208
: TITILE OF INVENTION: Treatment and Diagnosis of Mycobacterial Infections
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Law Offices of Ann W. Spekman
: STREET: 2601 Elliott Avenue, Suite 4185
: CITY: Seattle
: STATE: WA
: COUNTRY: USA
: ZIP: 98121
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/095,855
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/705,347
: FILING DATE: 29-AUG-1996
: APPLICATION NUMBER: 08/873,970
: FILING DATE: 12-JUN-1997
: APPLICATION NUMBER: 08/997,362
: FILING DATE: 23-DEC-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Sleath, Janet
: REGISTRATION NUMBER: 37,007
: REFERENCE/DOCKET NUMBER: 11000,1002c3
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 206-269-0565
: TELEFAX: 206-269-0563
: TELEX:

```

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: INFORMATION FOR SEQ ID NO: 114:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 523 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
US-09-095-855-114

```

```

Query Match 61.7%; Score 1643; DB 4; Length 523;
Best Local Similarity 62.7%; Pred. No. 1,9e-127;
Matches 328; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

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OY 1 MAKEIESADRAAMVGYMDLADYVYTLGPKGRNVYLEKAFSSPLITNDGVITAEIE 60
DB 1 MATTIYDEARRGLEKRGINLADAVYVTLGPKGRNVYLEKMGAPITNDGVITAEIE 60
OY 61 LEDFENNGATLVSEVASKTNDIADGTTATVLTQAVHGLKNTAGANIGIRGIE 120
DB 61 LEDPYEKGAEIVKAVAKKTDVADGTTATVLAQALVRGELNVAACANPLGKIGIE 120
OY 121 TATATVETAKAIAPYSGKEALAOVAASRSSEVGEYISEAMERVNDGVITIEESRG 180
DB 121 KAVEAVTQSLKSAKEVERKEQISATAIASAGDTQIGELIAEMDKVNEGIVIEESWT 180
OY 181 METELEVEGNOFDRGYLSQVWYTDNENKAVADLENPFLITTDKVSNIQDILPLEEVLK 240
DB 181 FGLQLELVEGRDVKYISGFVTDAROEAVLEDPYILLVSSKSVTKDILPLEEVIO 240
OY 241 TNRPLLIADVDGEALPTLVNKRIGTFENVVAAPGCGRRKALDELIALTGTVIT 300
DB 241 AGPLLIITAEVDEGALSTLVNKRIGTFENVVAAPGCGRRKALDELIALTGTVIT 300
OY 301 EDGELDQATMTALGOAKKITVDKSTVIEGSSSEPAIANIALISOLETTSDPDR 360
DB 301 ERVGSLETDADVSLGOAKKVVYKDDTTIVGSSSDPAIAGVIAQIRAEIENSDDYDR 360
OY 361 EKLOERLAKLAGVAIVKGAAPTETALKEKLRIDALNMTAAVEGIVAGGATLTV 420
DB 361 EKLOERLAKLAGVAIVKGAAPTETALKEKLRIDALNMTAAVEGIVAGGATLTV 420
OY 421 IEKVAALEEGDQATRNIVRLALEEPVQIALNNGEGSVIDKLKNSPACTGFNAATG 480
DB 421 APALDDGLTGDATGANIVVALSAPLQIAFNGLGEPGVAEKNLPAHGHLNATG 480
OY 481 EYDMKITGIDPVKVTSAALQNAASVASLITTEAVVANKPE 523
DB 481 EYEDLLKAGVADPVKVTSAALQNAASIASLITTEAVVANKPE 523

```

```

RESULT 10
US-09-324-542-114
: Sequence 114, Application US/09324542
: Patent No. 6328978
: GENERAL INFORMATION:
: APPLICANT: Watson, James D.
: APPLICANT: Tan, Paul L.J.
: APPLICANT: Prestidge, Ross
: TITLE OF INVENTION: Methods and Compounds for the Treatment
: TITILE OF INVENTION: of Immunologically-Mediated Skin Disorders
: NUMBER OF SEQUENCES: 11000,1007c1
: CURRENT FILING DATE: US/09/324,542
: EARLIER APPLICATION NUMBER: 1999-06-02
: EARLIER FILING DATE: 1997-12-23
: NUMBER OF SEQ ID NOS: 194
: SOFTWARE: FASTSEQ for Windows Version 3.0
: SEQ ID NO 114
: LENGTH: 523
: TYPE: prt
: ORGANISM: Mycobacterium vaccae
US-09-324-542-114

```

Wed Apr 16 08:08:21 2003

us-09-001-737-8.rai

Page 7

Query Match 61.7%: Score 1643; DB 4; Length 523;
Best Local Similarity 62.7%: Pred. No. 1,9e-127;
Matches 398; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

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QY 1 MAKEIFSDAARAAVGVMDLADTVYTLGPKGRNVYLEKAFSPITNDGVYIAKIE 60
DB 1 MAKIADDEARRGRLERGLNALADAVYTLGPKGRNVYLEKAFSPITNDGVYIAKIE 60
QY 61 LEDHEFNMGAKLVSEVASKTNDIAGDGTATVYTLQAIHBEGLKNTAGANPIGIRGIE 120
DB 61 LEDHEFNMGAKLVSEVASKTNDIAGDGTATVYTLQAIHBEGLKNTAGANPIGIRGIE 120
QY 121 TATATAVEALKAIAPVSGKEAIAQVAASRSSEKVEYISAMERGVNGCVITTEESRG 180
DB 121 TATATAVEALKAIAPVSGKEAIAQVAASRSSEKVEYISAMERGVNGCVITTEESRG 180
QY 181 METELEVEGMOFDRGYLSOYVMTDNKEMVADELPFLITDKKVSNIODIIPLEBYLK 240
DB 181 FGLQLELREGMRFDKGYISGYFTVDAERQAVLEDPYILLVSKSVKSTVNDLPLEKVIQ 240
QY 241 TNRPLIITADVDGALPTVYLNKIRGTFFNVYAVKAPGGRKRAMLEDAIILGCVIT 300
DB 241 AGKPLIITAEDEGALSTLVNKRIRGTFFNVYAVKAPGGRKRAMLEDAIILGCVIT 300
QY 301 EDGLLEKDATMTALGOAAKITVDSTVYVSGSSSEAIANRIALIKSOLETTSDPDR 360
DB 301 ERVGLSLETADVSLGQARKVYVTKDETTIVESGSDSIAIGRVAQIRAEIENSDDYDR 360
QY 361 EKLQERLAKLAGVAVIKVAPETALKEMLRIEDALNTRAAREGIVAGGVALIIS 420
DB 361 EKLQERLAKLAGVAVIKVAPETALKEMLRIEDALNTRAAREGIVAGGVALIIS 420
QY 421 IEKVALELEGGDGTGRNIYLRALPEPQIALNAGYEGSVYIDKLNKPAGTFNATG 480
DB 421 APALDGLGTDEATGANIYRVALSAPLKOIAFNGLGLEGVYAKVSNLPAGHGLMATG 480
QY 481 EYMDIKTGIIDPVKTRSAALONASVASLITTEAVYANKPE 523
DB 481 EYEDLLKAGVADPVKTRSAALONASIASLITTEAVYANKPE 523
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RESULT 11
US-09-205-426-114
Sequence 114, Application US/09205426
Patent No. 6406704
GENERAL INFORMATION:
APPLICANT: Watson, James D.
TITLE OF INVENTION: Compounds and Methods for Treatment and
TITLE OF INVENTION: Diagnosis of Mycobacterial Infections
FILE REFERENCE: 11000.10024
CURRENT APPLICATION NUMBER: US/09/205,426
EARLIER FILING DATE: 1998-12-04
EARLIER APPLICATION NUMBER: 09/095,855
EARLIER FILING DATE: 1998-06-11
EARLIER APPLICATION NUMBER: 08/997,362
EARLIER FILING DATE: 1997-12-23
EARLIER APPLICATION NUMBER: 08/873,970
EARLIER FILING DATE: 1997-06-12
EARLIER APPLICATION NUMBER: 08/705,347
EARLIER FILING DATE: 1996-08-29
NUMBER OF SEQ ID NOS: 208
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 114
LENGTH: 523
TYPE: PRT
ORGANISM: Mycobacterium vaccae
US-09-205-426-114

Query Match 61.7%: Score 1643; DB 4; Length 523;
Best Local Similarity 62.7%: Pred. No. 1,9e-127;
Matches 398; Conservative 83; Mismatches 112; Indels 0; Gaps 0;

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QY 1 MAKEIFSDAARAAVGVMDLADTVYTLGPKGRNVYLEKAFSPITNDGVYIAKIE 60
DB 1 MAKIADDEARRGRLERGLNALADAVYTLGPKGRNVYLEKAFSPITNDGVYIAKIE 60
QY 61 LEDHEFNMGAKLVSEVASKTNDIAGDGTATVYTLQAIHBEGLKNTAGANPIGIRGIE 120
DB 61 LEDHEFNMGAKLVSEVASKTNDIAGDGTATVYTLQAIHBEGLKNTAGANPIGIRGIE 120
QY 121 TATATAVEALKAIAPVSGKEAIAQVAASRSSEKVEYISAMERGVNGCVITTEESRG 180
DB 121 TATATAVEALKAIAPVSGKEAIAQVAASRSSEKVEYISAMERGVNGCVITTEESRG 180
QY 181 METELEVEGMOFDRGYLSOYVMTDNKEMVADELPFLITDKKVSNIODIIPLEBYLK 240
DB 181 FGLQLELREGMRFDKGYISGYFTVDAERQAVLEDPYILLVSKSVKSTVNDLPLEKVIQ 240
QY 241 TNRPLIITADVDGALPTVYLNKIRGTFFNVYAVKAPGGRKRAMLEDAIILGCVIT 300
DB 241 AGKPLIITAEDEGALSTLVNKRIRGTFFNVYAVKAPGGRKRAMLEDAIILGCVIT 300
QY 301 EDGLLEKDATMTALGOAAKITVDSTVYVSGSSSEAIANRIALIKSOLETTSDPDR 360
DB 301 ERVGLSLETADVSLGQARKVYVTKDETTIVESGSDSIAIGRVAQIRAEIENSDDYDR 360
QY 361 EKLQERLAKLAGVAVIKVAPETALKEMLRIEDALNTRAAREGIVAGGVALIIS 420
DB 361 EKLQERLAKLAGVAVIKVAPETALKEMLRIEDALNTRAAREGIVAGGVALIIS 420
QY 421 IEKVALELEGGDGTGRNIYLRALPEPQIALNAGYEGSVYIDKLNKPAGTFNATG 480
DB 421 APALDGLGTDEATGANIYRVALSAPLKOIAFNGLGLEGVYAKVSNLPAGHGLMATG 480
QY 481 EYMDIKTGIIDPVKTRSAALONASVASLITTEAVYANKPE 523
DB 481 EYEDLLKAGVADPVKTRSAALONASIASLITTEAVYANKPE 523
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RESULT 12
US-08-461-722-4
Sequence 4, Application US/08461722
Patent No. 635183
GENERAL INFORMATION:
APPLICANT: Young, Richard A. and Young, Douglas
TITLE OF INVENTION: Stress Proteins and Uses Therefor
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: 2 Millie Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,722
FILING DATE: 05-JUNE-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/336,251
FILING DATE: 03-NOV-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06362
FILING DATE: 06-JUN-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/073,381
FILING DATE: 04-JUN-1993
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/804,632
 FILING DATE: 09-DEC-1991
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/366,581
 FILING DATE: 15-JUN-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/207,298
 FILING DATE: 15-JUN-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US89/02619
 FILING DATE: 15-JUN-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 33,227
 REFERENCE/DOCKET NUMBER: WH188-08AFA4
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 861-6240
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 540 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-461-722-4

Query Match 61.6%; Score 1639.5; DB 4; Length 540;
 Best Local Similarity 61.0%; Pred. No. 3.8e-127;
 Matches 331; Conservative 87; Mismatches 120; Indels 5; Gaps 2;

1 MAKEIKESADARAARAVRGVMDLADTVKVTIGPKGRNVLEKAFGSPFLITNDGYTIKKEIE 60
 1 NAKTIIVDEBARGLERGLNLADAVKVTIGPKGRNVLEKAKGAPITINDGYSIKKEIE 60
 61 LEDHEFMGAKLYSEVASKTNDIAGDGTATVTLQAIYHEGLKAVTAGNPGICIRGIE 120
 61 LEDYEIKGELVEKAKTDDVAGDGTITATVLAOLKREGLNVAAGANPGLKRGIE 120
 121 TATATVEALKAIAPYSGEALIAOVAANSSRSKVEGYISEMERVGNQGVITIEESRG 180
 121 KAVKVEITELKGAKEVEITEQIATATAISAGDOSIGDLIAEMDKVNGEVITIEESNT 180
 181 METELEVEGKQFDRGYLSQYVTDNEKKNVADLENPFILITDKVSNIDILPLEEVLK 240
 181 FGLDELTEGMRFDGYISGYFTDPERQEVLEDDPYILLVSSKYSTVKDLPLEEKYIG 240
 241 TNRPLLIADVDGEALPTLVNKRIGTFNVVANKAPGFGRRKAMLEDAITLTGTYIT 300
 241 AGKPLLIADVEDGEALSTLVNKRIGTFKSVANKAPGFGRRKAMLODMALITGGYIS 300
 301 EDLGLKDATATALGOAKITVDKSTVIEGSGSEAIANRIALKSOLETTSDPDR 360
 301 EEVGLTLENADSLIGKARKVYVTKDETTIYEGAGDTAIGRAVQIROIENSSQVDR 360
 361 EKLOERLAKIAGVAVIKVAPFETALKEKMLRIEDALNATRAVEGIVAGGATLIV 420
 361 EKLOERLAKIAGVAVIKAGATEVELKERHRIEDAVNNKAAVEGIVAGGATLILQA 420
 421 IEKVALLEGGDAGRNIYTLALEEPROALNAGYIEGSIYIKLKNSPAGTGNATG 480
 421 APTLDELKESDEANTIKYALAPAKQJATNSGLEGGVAAKVNACPHGHNATG 480
 481 EMDMDIKTIITDPYKVRSLONAAVASLITTEAVANPEBAPAPAMPAGNDPMG 540
 481 VTEGLLAAGVADPYKVRSLONAAASINGLFTTEAVVADKPE--KEKASVGG---GDM 535
 541 GGM 543
 536 GGM 538

Sequence 4, Application US/08336251
 Patent No. 6338952
 GENERAL INFORMATION:
 APPLICANT: Young, Richard S.
 TITLE OF INVENTION: Stress Proteins and Uses Therefor
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 STREET: 2 Militia Drive
 CITY: Lexington
 STATE: MA
 COUNTRY: USA
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/336,251
 FILING DATE: 03-NOV-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US94/06362
 FILING DATE: 06-JUN-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/073,381
 FILING DATE: 04-JUN-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/804,632
 FILING DATE: 09-DEC-1991
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/366,581
 FILING DATE: 15-JUN-1989
 APPLICATION NUMBER: US 07/207,298
 FILING DATE: 15-JUN-1988
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US89/02619
 FILING DATE: 15-JUN-1989
 ATTORNEY/AGENT INFORMATION:
 NAME: Granahan, Patricia
 REGISTRATION NUMBER: 33,227
 REFERENCE/DOCKET NUMBER: WH188-08AFA3
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 861-6240
 INFORMATION FOR SEQ ID NO: 4:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 540 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-336-251-4

Query Match 61.6%; Score 1639.5; DB 4; Length 540;
 Best Local Similarity 61.0%; Pred. No. 3.8e-127;
 Matches 331; Conservative 87; Mismatches 120; Indels 5; Gaps 2;

1 MAKEIKESADARAARAVRGVMDLADTVKVTIGPKGRNVLEKAFGSPFLITNDGYTIKKEIE 60
 1 NAKTIIVDEBARGLERGLNLADAVKVTIGPKGRNVLEKAKGAPITINDGYSIKKEIE 60
 61 LEDHEFMGAKLYSEVASKTNDIAGDGTATVTLQAIYHEGLKAVTAGNPGICIRGIE 120
 61 LEDYEIKGELVEKAKTDDVAGDGTITATVLAOLKREGLNVAAGANPGLKRGIE 120
 121 TATATVEALKAIAPYSGEALIAOVAANSSRSKVEGYISEMERVGNQGVITIEESRG 180
 121 KAVKVEITELKGAKEVEITEQIATATAISAGDOSIGDLIAEMDKVNGEVITIEESNT 180
 181 METELEVEGKQFDRGYLSQYVTDNEKKNVADLENPFILITDKVSNIDILPLEEVLK 240

RESULT 13
 US-08-336-251-4

Db 181 FGLQLELTKGKRFKGTISGYVDPPEKQAVLEDPITLLVSSKSTVADLPLEEVIG 240
Qy 241 TNRPLIITADVDGALPTLVNKRGTENVAVKAPGFGRRKAMLEDAITLGGVIT 300
Db 241 AGPLLIITAEVGEALSTLVNKRGTENVAVKAPGFGRRKAMLEDAITLGGVIT 300
Qy 301 EDGLKDATMTALGQAARTVDKSTVIEGSSSEAIANRIALIKSOLETTTSDPR 360
Db 301 EEVGLTENADLSLGRKARKVYTKDETTIEGAGTDIAIGRAQIOEINSDDYR 360
Qy 361 EKLQERLAKLAGVAVIKVAPETALKEKRLIEDALNATRAVEGIVAGGATLITV 420
Db 361 EKLQERLAKLAGVAVIKVAPETALKEKRLIEDALNATRAVEGIVAGGATLITV 420
Qy 421 IEKVALELEGGDATGRNIVLRALEBPVROIALNMGESVYIDKLSNPAAGTNAATG 480
Db 421 APTDELKLEGGDEATGANIVKALEPLKQIAFNSGLEPGVAKRNLPAHGILNQTG 480
Qy 481 EMDMKTGIIIDPVYTRSAIONAASVSLITTEAVYANKPEPATPAPAMPAGMDPM 540
Db 481 VYEDLLAAGVADPVKTRSAIONAASVSLITTEAVYANKPEPATPAPAMPAGMDPM 540
Qy 541 GGM 543
Db 536 GGM 538

RESULT 14
PCT-US94-06362-4
Sequence 4, Application PC/TUS9406362
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Stress Proteins and Uses Therefor
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: 2 Millitia Drive
CITY: Lexington
STATE: MA
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06362
FILING DATE: 06-JUN-1994
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/073,381
FILING DATE: 04-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WH188-08AFA2 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
INFORMATION FOR SEQ. ID NO. 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 340 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-06362-4

Query Match 61.68; Score 1639.5; DB 5; Length 540;
Best Local Similarity 61.08; Pred. No. 3.8e-127;
Matches 331; Conservative 87; Mismatches 120; Indels 5; Gaps 2;

Qy 1 MAKEIKFSADABAAMVRCVMDLADIVKYTLGPKGRNVLEKAFSGPLITNDGVITAKEIE 60
Db 1 MAKTIAYDEBARRGLENGLNALADAVKYTLGPKGRNVLEKAFSGPLITNDGVITAKEIE 60
Qy 61 LEDHEFMGAKLVSEVASKNDIAGDGTATVTOAIVHEGLKAVTAGANPGRIGIE 120
Db 61 LEDYERKIGELVKEVAKTKDDVAGDGTATVTOAIVHEGLKAVTAGANPGRIGIE 120
Qy 121 TATATVAVELKAIAPVSGKEAIAQVAVSSRSKGEYISPMERNGCVITTEESRG 180
Db 121 KAVEKTEFLTKAKEVETKEOIAATPAISAGDSIODLADMDKGNCGVITTEESNT 180
Qy 181 METELVYNGQFDGKYLISOYMTDNEMKADLENPILITDKKYSNIDILPLEEVLK 240
Db 181 FGLQLELTKGKRFKGTISGYVDPPEKQAVLEDPITLLVSSKSTVADLPLEEVIG 240
Qy 241 TNRPLIITADVDGALPTLVNKRGTENVAVKAPGFGRRKAMLEDAITLGGVIT 300
Db 241 AGPLLIITAEVGEALSTLVNKRGTENVAVKAPGFGRRKAMLEDAITLGGVIT 300
Qy 301 EDGLKDATMTALGQAARTVDKSTVIEGSSSEAIANRIALIKSOLETTTSDPR 360
Db 301 EEVGLTENADLSLGRKARKVYTKDETTIEGAGTDIAIGRAQIOEINSDDYR 360
Qy 361 EKLQERLAKLAGVAVIKVAPETALKEKRLIEDALNATRAVEGIVAGGATLITV 420
Db 361 EKLQERLAKLAGVAVIKVAPETALKEKRLIEDALNATRAVEGIVAGGATLITV 420
Qy 421 IEKVALELEGGDATGRNIVLRALEBPVROIALNMGESVYIDKLSNPAAGTNAATG 480
Db 421 APTDELKLEGGDEATGANIVKALEPLKQIAFNSGLEPGVAKRNLPAHGILNQTG 480
Qy 481 EMDMKTGIIIDPVYTRSAIONAASVSLITTEAVYANKPEPATPAPAMPAGMDPM 540
Db 481 VYEDLLAAGVADPVKTRSAIONAASVSLITTEAVYANKPEPATPAPAMPAGMDPM 540
Qy 541 GGM 543
Db 536 GGM 538

RESULT 15
US-08-467-822-34
Sequence 34, Application US/08467822
Patent No. 5843460
GENERAL INFORMATION:
APPLICANT: Labigne, Agnes
APPLICANT: Sauerbaum, Sebastien
APPLICANT: Ferrer, Richard L.
APPLICANT: Thiberge, Jean-Michel
TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
TITLE OF INVENTION: HELICOBACTER INFECTION. POLYPEPTIDES FOR USE IN THE
TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flanagan, Henderson, Parabow, Garrett &
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,822
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/447,177
FILING DATE: 19-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/432,697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-02000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 541 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-467-822-34

Query Match 61.6%; Score 1639.5; DB 2; Length 541;
Best Local Similarity 60.9%; Pred. No. 3.8e-127;
Matches 332; Conservative 87; Mismatches 119; Indels 7; Gaps 3;

QY 1 MAKEIKESADARAARVGVDMADTVKVTLSGKGRNVLEKAFSGSLITNDGVTAKKEIE 60
DB 1 MAKTIAYDEEARGLERGLNSLADAVKVTLSGKGRNVLEKAKWGAFTITNDGVSINKKEIE 60
QY 61 LEDHEENNGAKLVEYFASKTNDIAGDGTATVLTQAIYHEGLKNVTAGANPIGRGIE 120
DB 61 LEDPEKIGALEYKFAKKTDDVAGDGTITATVLAQALYEGELRNVAAGANPIGLRGIE 120
QY 121 TATATVEAKAIQAPVSGKEAIAOVAANSRSEKVEYISEMERVNGDGVITIEESRG 180
DB 121 KAVDKVETILLKAKVEETKEQIAATRAISAGDOSIGDLIAEMDKVNGSGVITVEESNT 180
QY 181 METELEVEENQDFNGYLSQMTVDNEKNVAOLENPFILITDKVSNIDILPLEEVLK 240
DB 181 FGLDLELTGEMRDKYISGFTYDAERQEALEPEYILVSSKSVTKDLPLEKVIQ 240
QY 241 TNRPLLIADDDVGEALPTLVLRKIRGFENVVAVKAFGGRKAMLEDAIITGGTVIT 300
DB 241 ACKSLLIADDEGEALSTLVNKRIGTFKSAVAKAFGGRKAMLDMAIITGAQVIS 300
QY 301 EDLGLLEKDATMTALGQAAKITVDKDSYIVEGSGSSEAANRIALIKSOLETTSDPDR 360
DB 301 EEVGLTLENTDLSLGLKARKVYMTKDETTIVEGAGDTDAIAGRVAGQIRTEIENSDDPR 360
QY 361 EKLOERLAKIAGVAVIVKAPETALKEMLRIEDALNTRAVEGIYAGGCTALTIV 420
DB 361 EKLOERLAKIAGVAVIVKAGATEVELKERKHIEDAVRNAAKAVEGIIYAGGCTILQA 420
QY 421 IEKVALELEGDDATGRNIVLRALPEPRQALNAGVEGIVYIDKLNSPAGTGNATG 480
DB 421 APAIDKAKLGDGATGANIVKVALEAPLKOIAFNSGMEGVAAEKVRNLVSGHLMATG 480
QY 481 EYVDMITGIIIDPVVTRSAIQNAASVSLITTEAVVANKPEPATPAMPAGMDPGM 540
DB 481 EYEDLNAAGVADPVVTRSAIQNAASISLGLTTEAVVADKPE-KTAAPA---SDP--T 533
QY 541 GGMGG 545
DB 534 GGMGG 538

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